

Abstract

The present invention relates to a mobile communication base station apparatus comprising a plurality of radio transmission and/or reception sections (20) and a plurality of baseband processing sections (21) comprising a user data stream interface, such that the plurality of baseband processing sections (21) is divided into stages (16a, 17a, 17b, 17c), arranged in a first stage (16, 16a) and further stages (17, 17a, 17b, 17c), where each stage (16a, 17a, 17b, 17c) comprising at least one baseband processing section (21), and each baseband processing section (21, 38) of the further stages (17a, 17b, 17c) is connected with at least one baseband processing unit (21) in any preceding stage, such that the baseband processing sections (21) are multistage-connected to the first stage (16a) of the baseband processing sections (21), the radio transmission and/or reception sections (20) are connected to baseband processing sections (21), and where each baseband processing section (21) comprises adding means, dropping means, and/or routing means for extraction and injection of baseband data streams and/or routing the data streams through the stages (16a, 17a, 17b, 17c). The invention further relates to a baseband processing section (21).